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U.S. NUCLEAR REGULATION COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT

Region V

Report No. 50-326/81-02 (IE-V-430)

Docket No. 50-326 License No. R-116 Safeguards Group 5

Licensee: University of California, Irvine
Department of Chemistry
Irvine, California

Facility Name: Nuclear Reactor Laboratory

Inspection at: Irvine, California

Inspection Conducted: February 26, 1981

Date of Last Material Control and Accounting Inspection Visit: February 7-8, 1979

Type of Inspection: Unannounced, Material Control and Accounting

Inspectors: B. L. Brock 3/10/81
B. L. Brock, Chemist Date Signed

W. Mortensen 3/10/81
W. Mortensen, Physical Security Inspector Date Signed

Approved by: L. R. Norderhaug 3/10/81
L. R. Norderhaug, Chief, Safeguards Branch Date Signed

Inspection Summary:

Areas Inspected: Routine unannounced safeguards inspection for compliance with applicable regulations pertaining to control and accounting for special nuclear material in research reactor programs. Functional areas inspected were facility organization and operations, measurements, shipping and receiving, storage and internal controls, physical inventory and records and reports. The inspection involved 6 inspector hours onsite by two NRC inspectors.

No items of noncompliance were identified in the six areas inspected.

e. Physical Inventory

The licensee takes the required annual physical inventories. A physical inventory was taken during this inspection by verifying the serial number on the one new fuel element in dry storage and piece counting the irradiated fuel elements in the [REDACTED] (the core was accepted based on the core loading record).

f. Records and Reports

The records and reports were appropriately made and adequately reflected the licensee's SNM inventory. The licensee appropriately explained in an April 16, 1979 letter to the Oak Ridge Operations Office of the Department of Energy small discrepancies in his U, U-235 and Pu inventory. The copy of the letter intended for Region V was not received, however, one was provided when the question of the discrepancy was raised. The letter adequately answered all questions.



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION V
1450 MARLA LANE, SUITE 280
WALNUT CREEK, CALIFORNIA 94596

Safeguards
IE-V-509

July 7, 1982

Docket No. 50-326

[REDACTED] AINS

University of California, Irvine
Irvine, California 92717

Attention: Professor J. L. McGaugh
Executive Vice Chancellor

Gentlemen:

This letter refers to the special safeguards inspection of your activities authorized under NRC License No. R-116 conducted by Messers. W. P. Mortensen and C. A. Schwan of this office on May 10 and 28, June 9, 15, and 30, and July 1, 1982.

The inspection included an in-office examination of your security reporting procedures in accordance with applicable requirements of Title 10, Code of Federal Regulations, Part 73, "Physical Protection of Plants and Materials." Within these areas, the inspection consisted of an examination of your June 1, 1982 letter to this office reporting a Physical Security Event (major loss of security effectiveness) and telephone interviews with facility personnel.

Based on the results of this inspection, it appears that certain of your activities were not conducted in full compliance with NRC requirements, as set forth in the Notice of Violation, enclosed herewith as Appendix A. Pursuant to the provisions of 10 CFR 2.207 you are required to respond as indicated therein.

In accordance with Section 2.790(d) of the NRC's "Rules of Practice", Part 2, Title 10, Code of Federal Regulations, documentation of findings of your security procedures are exempt from disclosure; therefore, the enclosure to this letter and your response to the items listed in the enclosure to this letter will not be placed in the Public Document Room and will receive limited distribution.

The responses directed by this letter and the accompanying Notice are not subject to the clearance procedures of the Office of Management and Budget as required by the Paperwork Reduction Act of 1980, PL 96-511.

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~~TRANSMITTED RECENTLY~~

University of California, Irvine -2-

July 7, 1982

Should you have any questions concerning this letter, we will be glad to discuss them with you.

Sincerely,

for *m. d. Schuster*
LeRoy R. Norderhaug, Chief
Safeguards Branch

Attachments:

1. Appendix A - Notice of Violation
2. Inspection Report No. 50-326/82-02
(IE-V-509)

~~TRANSMITTED RECENTLY~~